

Fraction word problems in real-life contexts

MODULE 3 · FRACTIONS, DECIMALS AND PERCENTAGES NUMBER

HOW TO ANSWER TODAY

- **Fraction of a quantity.** Divide the quantity by the bottom number (denominator). Multiply by the top number (numerator).

$$3/5 \text{ of } 20 \rightarrow 20 \div 5 = 4, \times 3 = 12$$

STRETCH PROBLEMS

- 1 6th class are decorating the classroom for World Book Day. They have **168** book stickers and use **$3/8$** of them on the reading corner display. How many stickers do they use?
What is $3/8$ of 168?
- 2 On Tuesday Aoife packs **250 g** of grapes in her lunchbox. She eats **$7/10$** of them at break. How many grams of grapes does she eat?
What is $7/10$ of 250?
- 3 On the school sponsored cycle, 6th class have a target of **70 km** along the local cycle path. Aoife has completed **$7/10$** of the target so far. How many kilometres has she cycled?
What is $7/10$ of 70?
- 4 6th class have **288** coloured paper squares to decorate the classroom for World Book Day. They use **$5/12$** of the squares on the reading corner. How many squares do they use?
What is $5/12$ of 288?
- 5 **50** pupils from 6th class take part in athletics on sports day. **$7/10$** of them run in the sprint race. How many pupils run in the sprint race?
What is $7/10$ of 50?



$\frac{1}{2}$



$\frac{1}{2}$

NUMBER



$\frac{1}{2}$

